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10/688,707 TRADE 18/2003	Jeremy Moore	81044475	2197
22844 7590 10/25/2005	ALC RECEIVED	EXAMINER	
FORD GLOBAL TECHNOLOGIE	S, LLC.	TRAN, DIEM T	
SUITE 600 - PARKLANE TOWERS ONE PARKLANE BLVD.	OCT 3 1 2005	ART UNIT	PAPER NUMBER
DEARBORN, MI 48126	OC   9 T 5002	. 3748	

FORD GLOBAL TECHNOLOGIES. INC DATE MAILED: 10/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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### UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Serial Number 10688707

Date Mailed 10/25/05

# NOTICE TO FILE CORRECTED APPLICATION PAPERS

# Notice of Allowance Mailed

This application has been accorded an Allowance Date and is being prepared for issuance. The application, however, is incomplete for the reasons below.

Applicant is given 30 days from the mail date of this Notice within which to correct the informalities indicated below. A failure to reply will result in the application being ABANDONED. This period for reply is NOT extendable under 37 CFR 1.136 (a) or (b).

• Amended claims are illegible.

APPLICANT MUST SUPPLY MISSING INFORMATION WITHIN 30 DAYS OF THE MAIL DATE OF THIS NOTICE.

A copy of this notice <u>MUST</u> be returned with the reply. Please address response to Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Rori Burch

**USPTO** 

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## Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

#### Listing of Claims:

- 1. (canceled)
- (previously amended) The method of claim 3 wherein power output from the starter motor is regulated to meet aristing and impending power domands by drive system auxiliary devices.
- (previously smeanled) A method for reducing exhaust emissions during cald start of an internal combustion engine, the engine being complet to a starter motor and an exhaust gas treatment device, comprising:

providing assist to the engine by the starter motor to meet a demanded power when a temperature of the exhaust gas treatment system is less than an operating temperature of the exhaust gas treatment slevine, and

operating the starter motor as a generator after the operating temperature of the exhaust gos treatment device has been reached.

- 4. (currently amended) A mothod for reducing exhaust emissions during cold start of an internal nombustion ensure, the engine being coupled to a starter motor and an enhaust case treatment device, computations:
- providing essibs to the annua by the starter mater to much a demanded newer until a temporature of the arhund was treatment system reaches on operating temporature of the exhaust was treatment device; and

The method of claim 6, further comprising retarding spark timing of the engine.

- ii. (currently amended) The method of claim 46, further comprising: heating the exhaust goo treatment device by electric heater cruphed to the exhaust gos treatment device.
  - 6.7. (cancaled)
- 8. (proviously amended) The method of claim 10, further comprising, retarding spark timing of the sugine

PAGE 26 \* RCVD AT 6/16/2005 8:53:21 AM [Eastern Daylight Time] \* SVR:USPTO-EFXRF-1/0 \* DNBS:8729306 \* CSID:3133227162 \* DURATION (man-ss):01-50

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- 9. (praviously amended) The method of claim 10, further comprising heating the exhaust gas treatment device by electric heater coupled to the exhaust gas treatment device.
- 10 (currently amended) The method of claim 48, further comprising:

  delaying a shifting operation of an automatic transmission coupled to the internal combustion ongine.
  - 11. (cancel)
- 12. (currently amended) The system of claim 164 wherein said electronic control unit causes sports timing of the engine to be retarded.
- 13. (currently amended) The system of claim 164 wherein said electrons control unit causes an electric beater coupled to the exhaust gas treatment device to beating the exhaust gas treatment device.

14-15. (cámneled)

- 17. (currently amended) The system of claim 164 wherein said electronic control unit causes an electric heater compled to the exhaust gas treatment device to heating the exhaust gas treatment device.
  - 18. (canceled)
- 19. (currently added) The engine system of claim 164 wherein caid starter motor is an integrand starter generator.

- 20. (currently amended) The method of claim 46, further comprising: discontinuing providing assist by the starter motor when a temperature of the exhaust treatment device exceeds said operating temperature.
- 21. (currently amended) The method of claim 46 wherein said operating temperature is a temperature at which the exhaust treatment device becomes active.
- 22. (currently a amended) The method of claim 46 wherein said starter motor is an integrated starter generator.
- 23. (currently amended) The method of claim 22, further comprising: operating said integrated starter generator as a generator when a temperature of the exhaust treatment device exceeds said operating temperature.

### 24. (canceled)

- 25. (currently amended) The method of claim 274 wherein said engine supplies a lesser amount of power than otherwise because of power supplied by the starter motor when both the engine and starter motor are operating.
- 26. (currently amended) The method of claim 274 wherein said operating both the engine and the starter motor has both the engine and the starter motor providing mechanical power.
- 28. (previously amended) The method of claim 27 wherein said predetermined temperature is a temperature at which the exhaust treatment device becomes active.

29. (currently amended) The method of claim 3024 wherein said starter motor is an
integrated starter generator.
30. (currently amended) A method for reducing exhaust emissions during cold start of an internal combustion engine the engine being complet to a starter motor and an exhaust gas treatment device, comprising:
supplying rotational energy to the engine at rest by the starter motor:
providing fuel to the engine when an angine rotational speed substantially
exceeds an idle speed:  continuing to operate both the engine and the starter motor efter fuel is provided to the engine until the exhaust gas treatment device reaches a predetermined
temperature: and  The method of claim 39, further comprising operating said integrated starter
motorgenerator as a generator when a temperature of the exhaust treatment device exceeds said
predetermined temperature.
31. (previously amended) The method of claim 27 wherein when the starter motor operation is discontinued, the starter motor provides substantially no positive or negative torque.